2020 Summer Professional Development Opportunities

We are excited to once again offer AP Fridays at Purdue during the Spring 2020 semester. The purpose of these lab sessions is to provide schools with the time and support needed to conduct suggested AP Labs in a guided-inquiry format on a college campus. The AP Lab sessions are FREE to any participating high school that registers to attend. Space is limited. Teachers will be able to register their classes on a first-come, first-served basis. Additional details will be emailed to teachers that register.

Register now for Spring 2020 AP Fridays:
http://bit.ly/2020SpringAPFri

Spring 2020 PD at Purdue: *The 'T' in STEM: Exploring Technology in the Classroom*
Registration is open for a one-day Technology professional development that will be hosted on Purdue's West Lafayette campus on **Friday, February 21**. Participants will learn how to use vernier probeware, iPads, Google extensions, and a variety of programs. This workshop will be appropriate with whatever technology you have in the classroom including iPads, Chromebooks, and Laptops. Bring a device and see ways of using technology to help students learn, collect data, e-journal, and more. The registration fee is $85 and includes parking pass, continental breakfast, and lunch for each participating teacher.

The deadline to register for The 'T' in STEM professional development at Purdue is Friday, February 14, 2020.

Registration Link for our February 21 PD:
http://www.purdue.edu/conferences/TheTinSTEMExploringTechnologyintheClassroom

We will be publishing regular updates on all of the cool stuff that our Outreach team is doing through our **Facebook** pages. **We are also excited to announce that we are now on Twitter and we have started a YouTube Channel.** We appreciate the likes, follows, and subscribes!

Twitter for Superheroes of Science: @PurdueSOS

YouTube: http://bit.ly/PurdueSOS

Purdue University Earth, Atmospheric, & Planetary Sciences Outreach:
https://www.facebook.com/EAPS.out/

Purdue University K-12 Chemistry Outreach: https://www.facebook.com/PurdueChem/

Tweet us your questions @PurdueSOS
Do you or your students have a science question? Would you like to hear one of your science questions explained by an expert in the field? Tweet us your questions @PurdueSOS and we will do our best to find scientists who can answer them via our **Superheroes of Science podcast**. With the new year, we have started Season 2 of this podcast aimed at K-12 Science Teachers and their students. Your questions will help us keep this podcast relevant and useful to you!

Mark your calendars and plan to attend our Summer 2020 PDs at Purdue:

Summer 2020: *Externships with Purdue College of Science*
Purdue College of Science is offering externship opportunities for teachers during the Summer 2020 session. We have reserved the weeks of June 15-19 and June 22-26 for interested teachers to join us and earn up to 15 points toward the externship requirement of HEA 1002. These will be unpaid externships, and will allow teachers opportunities to dive into curriculum development, grant writing, working with scientists, and professional development planning.

Registration Link for 2020 Summer Externships:
http://bit.ly/2020SummerEx

July 6 - July 9: *Integrating STEM Using Student Research Projects*
This Professional Development will take place in West Lafayette, IN and is appropriate for both **middle and high school teachers**. We are requesting that a minimum of two teachers from your school plan to attend this workshop together. The focus of this 4-day intensive PD will be on helping educators learn how to facilitate student research projects, integrate science data collection in your curriculum, and effectively use Question Formulation Technique in science project planning. Additionally, educators will learn how to collect pedosphere, atmosphere, hydrosphere and biosphere data through the NASA sponsored GLOBE program and become certified GLOBE teachers. The registration fee for this four day PD is $135 and includes parking, continental breakfast, and lunch. On-campus housing will be available for an additional fee.

The deadline to register for the *Integrating STEM using Student Research Projects* **PD at Purdue is Friday, June 26, 2020.**

Registration Link for our July 6-9 PD:
http://www.purdue.edu/conferences/IntegratingSTEMusingStudentResearchProjects

July 14 - July 15: *STEM and the Environment*
Purdue University College of Science will be offering professional development opportunities for **elementary teachers** that will include hands-on lessons, activities that address various standards, and integration of those activities into their classroom. The registration fee for this two

day PD is $135 and includes parking, continental breakfast, lunch, and kit materials for incorporating new content into their classrooms. On-campus housing will be available for an additional fee.

The deadline to register for the *STEM and the Environment* PD at Purdue is Wednesday, July 1, 2020.

Registration Link for our July 14-15 PD:

http://www.purdue.edu/conferences/STEMandtheEnvironment

Summer 2020 Middle School Workshops
Purdue University College of Science will be offering professional development opportunities for middle school science teachers (grades 6,7,8) that will include hands-on lessons, activities that address various standards, and integration of those activities into their classroom. The registration fee for each grade level's two day PD is $20 and includes parking, continental breakfast, lunch, and kit materials for incorporating new content into their classrooms. On-campus housing will be available for each PD session through the registration site for an additional fee.

The deadline to register for these two-day PD sessions at Purdue is Friday, July 10, 2020.

http://www.purdue.edu/conferences/MiddleSchoolWorkshops

6th Grade Science PD
Date: July 20-21, 2020

7th Grade Science PD
Date: July 23-24, 2020

8th Grade Science PD
Date: July 27-28, 2020